JC06 Rec'd PCT/PTO U3 JUN 2005.

Approved for use through 3/31/2007. OMB 0651-0021
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TRANSMITTAL LETTER TO THE UNITED STATES
DESIGNATED/ELECTED OFFICE (DO/EO/US)
CONCERNING A SUBMISSION UNDER 35 U.S.C. 371

ATTORNEY'S DOCKET NUMBER

13920US

| CONCERNING A SUBMISSION UNDER 35 U.S.C. 371 | U.S. ARPLICATION NO. (ILKnown See 37 CFR 1.5) |
|---|--|
| INTERNATIONAL APPLICATION NO. INTERNATIONAL FILING DATE DEC 2003 (05.12.2003) | PRIORITY DATE CLAIMED 5 Dec 2002 (05.12.2002) and |
| TITLE OF INVENTION METHODS OF REMOVING SULFUR FROM A FUEL CELL ELECTRO | ODE 6 Feb 2003 (06.02.2003) |
| APPLICANT(S) FOR DO/EO/US SAUNDERS, James H.; MARKWORTH, Bradlev C.: and HINDIN, Barry | Alan J. (deceased); GLENN, |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EC | O/US) the following items and other information: |
| 1. XX This is a FIRST submission of items concerning a submission under 35 U.S.C. 37 | 1. |
| 2. Thiş is a SECOND or SUBSEQUENT submission of items concerning a submission | on under 35 U.S.C. 371. |
| 3. This is an express request to begin national examination procedures (35 U.S.C. 37 (5), (6), (9) and (21) indicated below. | 71(f)). The submission must include items |
| 4. The US has been elected (Article 31). | |
| 5. A copy of the International Application as filed (35 U.S.C. 371(c)(2)) | · |
| a. is attached hereto (required only if not communicated by the Internation | onal Bureau). |
| b. has been communicated by the International Bureau. | |
| c. XXX is not required, as the application was filed in the United States Receiv | ving Office (RO/US). |
| 6. An English language translation of the International Application as filed (35 U.S.) | C. 371(c)(2)). |
| a. Lis attached hereto. | • |
| b. 니 has been previously submitted under 35 U.S.C. 154(d)(4). | |
| 7. Amendments to the claims of the International Application under PCT Article 19 | (35 U.S.C. 371(c)(3)) |
| a. are attached hereto (required only if not communicated by the Interna | ational Bureau). |
| b. have been communicated by the International Bureau. | |
| c. 📖 have not been made; however, the time limit for making such amendr | ments has NOT expired. |
| d. XXI have not been made and will not be made. | |
| 8. An English language translation of the amendments to the claims under PCT Ar | rtide 19 (35 U.S.C. 371(c)(3)). |
| 9. XX An oath or declaration of the inventor(s) (35 U.S.C. 371(c)(4)). | |
| An English language translation of the annexes of the International Preliminary E Article 36 (35 U.S.C. 371(c)(5)). | Examination Report under PC1 |
| Items 11 to 20 below concern document(s) or information included: | |
| 11. An Information Disclosure Statement under 37 CFR 1.97 and 1.98. | 74. |
| 12. XX An assignment document for recording. A separate cover sheet in compliance w | vith 37 CFR 3.28 and 3.31 is included. |
| 13. XX A preliminary amendment. | |
| 14. An Application Data Sheet under 37 CFR 1.76. | |
| 15. A substitute specification. | |
| 16. A power of attorney and/or change of address letter. | |
| 17. A computer-readable form of the sequence listing in accordance with PCT Rule | |
| 18. A second copy of the published International Application under 35 U.S.C. 154(d) | |
| A second copy of the English language translation of the international application of Authority to C 20. XX Other items or information: 2-pg. facsimile to IB Correct | nunder35U.S.C.154(d)(4) • Michael Gegenheimer; ting Inventor/Applicant Status fo |

This collection of information is required by 37 CFR 1.414 and 1.491-1.492. The information is required to obtain or retain a benefit by the public, which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.11 and 1.14. This collection is estimated to take 15 minutes to complete, including gathering information, preparing, and submitting the complete form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, U.S. Department of Commerce, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Mall Stop PCT, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.

Page 1 of 2

June 2005

JC17 Rec'd PCT/PTO 03 JUN 2005

PTO-1390 (Rev. 02-2005)
Approved for use through 3/31/2007. OMB 0651-0021
U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE
Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

| U.S. APPLICATI | APPLICATION NO. (if known, see 37 CFR 1.5) INTERNATIONAL APPLICATION NO. PCT/US 2003/039037 | | | | ATTORNEY'S DOCKET NUMBER | | |
|--|---|----------------------|---|------------------|--------------------------|----------------------|--------------|
| TU/53/5U3 PCT/US2003/039037 | | | | | | 3920US | |
| I | The following fees have been submitted | | | | | | PTO USE ONLY |
| 21. 🔂 Basio | national fee | | | \$300 | \$ | 300.00 | |
| 22. Examination fee If International preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4)\$100 All other situations\$200 | | | | | | 200.00 | |
| 23. Search fee Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority | | | | | | 400.00 | |
| | TOTAL OF 21, 2 | | | | \$ | 900.00 | |
| sequence list | ting or computer | program listing file | in paper over 100 sheets (ed in an electronic medium). paper or fraction thereof. | excluding | | | |
| Total Sheets | Extra Sheets | | additional 50 or fraction up to a whole number) | RATE | | | |
| - 100 = | /50 = | | | × \$250 | \$ | | |
| Surcharge of \$130 claimed priority da | | | ration later than 30 months f | rom the earliest | \$ | | |
| CLAIMS | NUME | BER FILED | NUMBER EXTRA | RATE | \$ | | |
| Total claims | 10 | - 20 = | 0 | × \$ 50 | \$ | | |
| Independent clain | | | C | × \$200 | \$ | | |
| MULTIPLE DEPE | NDENT CLAIM(| S) (if applicable) | | + \$360 | \$ | | |
| | | | TOTAL OF ABOVE | CALCULATIONS = | \$ | 900.00 | |
| Applicant claims small entity status. See 37 CFR 1.27. Fees above are reduced by ½. | | | | | | 700.00 | |
| SUBTOTAL = | | | | | | 450.00 | |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(i)). | | | | | | | |
| TOTAL NATIONAL FEE | | | | | | 450.00 | |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40.00 per property + | | | | | \$ | 40.00 | |
| | | | TOTAL F | EES ENCLOSED = | \$ | 490.00 | |
| | | | | | | ount to be unded: | \$ |
| | | | | | | ount to be irged: | \$ |
| a. A check in the amount of \$ to cover the above fees is enclosed. | | | | | | | |
| b. Please charge my Deposit Account No in the amount of \$ to cover the above fees. A duplicate copy of this sheet is enclosed. | | | | | | | |
| c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No A duplicate copy of this sheet is enclosed. | | | | | | | |
| d. Fees are to be charged to a credit card. WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038. | | | | | | | |
| NOTE: Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status. | | | | | | | |
| SEND ALL CORRESPONDENCE TO: | | | | | | | |
| BATTELLE MEMORIAL INSTITUTE SIGNATURE | | | | | | egenten | |
| | | | | | | Gegenheime | r |
| 505 King | - | <u>-</u> | = | NAME | | | |
| Columbus, Ohio 43201-2693 USA 33,387 | | | | | | | |
| REGISTRAT | | | | | | UMBER | |

10/537503 JC17 Rec PCT/PTO 03 JUN 2005

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE DO/EO/US CONCERNING SUBMISSION UNDER 35 U.S.C. 371

| In re U.S. Na PCT/US200 | ational Entry of 3/039037 |)) | | |
|----------------------------|--|-------------------|---------------|--|
| Inventors: | Saunders, James H. et al. |)) File No: | 13920US | |
| Filing Date: | Herewith |))) Date: | 03 June 2005 | |
| | HODS OF REMOVING SULFUR EL CELL ELECTRODE |) Date.)) | 03 Julie 2003 | |

CERTIFICATE OF MAILING

Mail Stop PCT Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

Dear Sir:

The undersigned hereby certifies that the attached:

| Item | No. of Sheets |
|---|---------------|
| PTO-1390 Transmittal Letter to DO/EO/US Concerning Submission | 2 |
| under 35 U.S.C. 371 | |
| PTO-2038 Credit Card Payment Form | 1 |
| PTO/SB/01 Declaration | 4 |
| PTO-1595 Recordation Form Cover Sheet (in duplicate) and Assignment | 7 |
| Preliminary Amendment | 5 |
| PTO/SB/81 Power of Attorney | 4 |
| Delegation of Authority to C. Michael Gegenheimer | 1 |
| Request to IB to Correct Inventor/Application Status for MARKWORTH, | 2 |
| sent via facsimile 01 June 2005 | |
| Return Receipt Postcard | 1 |

| ara | hoina | deposited | with | tha | Linitad | States | Doctal | Sanios | 00. |
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in an envelope addressed to the Commissioner for Patents, Mail Stop PCT, P.O. Box 1450, Alexandria, Virginia 22313-1450, on the date set forth below.

<u> *Drunda PloCk Froom*</u> Signature

June 3, 2005 Date of Deposit

Brenda Block Koone Battelle Memorial Institute 505 King Avenue Columbus, Ohio 43201-2693 (614) 424-3298 phone (614) 424-3864 facsimile kooneb@battelle.org

10/537503 JC17 Rec'd PCT/PTO 03 JUN 2005

INTERNATIONAL BUREAU OF WIPO

34, chemin des Colombettes Geneva, Switzerland

#3

In re Application of:

Battelle Memorial Institute

Inventors:

rije Lind 🖫 🖣

Saunders et al.

Intl. Appln. No.:

PCT/US2003/039037

Intl. Filing Date:

05 December 2003

Intl. Publ. No.:

WO 2004/054022 A2

Intl. Publ. Date:

24 June 2004

For: METHODS OF REMOVING SULFUR FROM A FUEL CELL ELECTRODE

REQUEST TO CORRECT INVENTOR/APPLICANT INFO

Dear Sir:

Errors were made in completing deceased inventor information in the PCT Request for the subject international application. Page 2 of PCT Request, top box, shows "MARKWORTH, Caroline M. (heir of) MARKWORTH, Alan J. (deceased)" and that she is "applicant and inventor" (for US only). Ms. Markworth should have been marked as "applicant only". Her address information follows:

Residence:

Columbus, Ohio US

Citizenship:

US

Mailing Address:

1694 Gardenstone Drive, Columbus, Ohio 43235 US.

Our Ref. No: 13920PCT

"MARKWORTH, Alan J. (deceased)" should be marked as "inventor only". The address information shown in this box was correct at the time of his death.

Please record these changes and notify all Offices and PCT Authorities accordingly.

The 30-month deadline is 05 June 2005. We understand there is no fee for recording these corrections.

Respectfully submitted,

C. Michael Gegenheimer

On chal Carnh

Reg. No. 37,387 33,3

June 1, 2005

Battelle Memorial Institute Intellectual Property Law Dept. 505 King Avenue Columbus, Ohio 43201-2693 US (614) 424-4293 phone (614) 424-3864 facsimile Gegenheimer@battelle.org

Battelle

The Business of Innovation

Intellectual Property Law Dept. 505 King Avenue Columbus, OH 43201

10/537503 JC17 Rec'd PCT/PTO 03 JUN 2005 Date: June 1, 2005

Fax

To: Inte

International Bureau

of WIPO

Fax No:

(41-22) 338 82 70

Phone No: (41-22) 338 91 11

Company:

From: C. Michael Gegenheimer

Fax No:

(614) 424-3864

Phone No:

(614) 424-4293

Total Pages:

2 (Including Lead Sheet)

If you have received this communication in error or if you have any problems receiving this communication, please call (614) 424-3298 immediately. Thank you.

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Please see attached correspondence. Confirmation of receipt requested.

Thank you.